CLAIMS

1. A method for manufacturing a polarizing plate comprising: bonding an antireflection film containing a transparent support and an antireflection structure including a plurality of layers different in refractive index each comprising a cured film to a polarizing film, wherein at least one layer of the plurality of layers different in refractive index is a layer having a higher refractive index than that of the transparent support and a thickness of 10 nm to 2 μm, and the antireflection film is bonded to the polarizing film after being subjected to a hydrophilization treatment so that a contact angle to water of a surface of the antireflection film to be bonded to the polarizing film falls within a range of 20 degrees to 50 degrees.

2. The method according to claim 1, wherein the hydrophilization treatment includes a step of dipping the antireflection film in an alkali solution for saponification.

3. A method for manufacturing a polarizing plate comprising: bonding an antireflection film containing a transparent support and an antireflection structure including a plurality of layers different in refractive

index each comprising a cured film to a polarizing film, wherein a surface of the antireflection film opposite to a surface thereof on which the antireflection structure is formed is taken as a bonding surface to the polarizing film, and only the bonding surface is subjected to a saponification treatment so that a contact angle to water falls within a range of 10 degrees to 50 degrees.

4. The method according to claim 1, wherein the cured film is obtained by coating, drying, and curing a coating composition containing at least one film-formable solute and at least one solvent.

5. The method according to claim 3, wherein the cured film is obtained by coating, drying, and curing a coating composition containing at least one film-formable solute and at least one solvent.

6. The method according to claim 1, wherein at least one of the plurality of layers different in refractive index contains inorganic particles.

7. The method according to claim 3, wherein at least one of the plurality of layers different in refractive index contains inorganic particles.

8. The method according to claim 6, wherein the plurality of layers different in refractive index include at least one high refractive index layer having a higher refractive index than that of the support and at least one low refractive index layer having a lower refractive index than that of the support, and the high refractive index layer has a refractive index of 1.55 to 2.40 and contains inorganic particles containing titanium dioxide and at least one element selected from cobalt, aluminum, and zirconium.

9. The method according to claim 7, wherein the plurality of layers different in refractive index include at least one high refractive index layer having a higher refractive index than that of the support and at least one low refractive index layer having a lower refractive index than that of the support, and the high refractive index layer has a refractive index of 1.55 to 2.40 and contains inorganic particles containing titanium dioxide and at least one element selected from cobalt, aluminum, and zirconium.

10. The method according to claim 8, wherein each of the inorganic particles is covered with at least one

compound of an inorganic compound, an organometallic compound, and an organic compound, which reduces or destroys a photocatalytic activity.

11. The method according to claim 9, wherein each of the inorganic particles is covered with at least one compound of an inorganic compound, an organometallic compound, and an organic compound, which reduces or destroys a photocatalytic activity.

12. A polarizing plate which is manufactured by the manufacturing method according to claim 1.

13. A polarizing plate which is manufactured by the manufacturing method according to claim 3.

14. The polarizing plate according to claim 12, wherein the polarizing plate comprises a plurality of surface protective films including the antireflection film; a film other than the antireflection film included in the plurality of surface protective films is an optical compensation film which contains an optical compensation layer containing an optical anisotropic layer provided at a side of the optical compensation film, the side being opposite to a side thereof to be bonded to the polarizing

film; the optical anisotropic layer is a layer having a negative birefringence, and containing a compound having a discotic structure unit, a disc plane of the discotic structure unit is inclined to a plane of the surface protective film, and an angle formed between the disc plane of the discotic structure unit and the plane of the surface protective film varies in a direction of depth of the optical anisotropic layer.

15. The polarizing plate according to claim 13, wherein the polarizing plate comprises a plurality of surface protective films including the antireflection film; a film other than the antireflection film included in the plurality of surface protective films is an optical compensation film which contains an optical compensation layer containing an optical anisotropic layer provided at a side of the optical compensation film, the side being opposite to a side thereof to be bonded to the polarizing film; the optical anisotropic layer is a layer having a negative birefringence, and containing a compound having a discotic structure unit, a disc plane of the discotic structure unit is inclined to a plane of the surface protective film, and an angle formed between the disc plane of the discotic structure unit and the plane of the surface protective film varies in a direction of depth of

the optical anisotropic layer.

16. A liquid crystal display device containing the polarizing plate according to claim 12.

17. A liquid crystal display device containing the polarizing plate according to claim 13.